

Main

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| Range of product | Preventa Safety detection |
| Product or component type | Safety light curtain type 4 |
| Device short name | XUSL4E |
| Output type | 2 safety outputs OSSD solid-state PNP (arc suppression) |
| Product specific application | For hand protection |
| [R] Resolution | 1.18 in (30 mm) |
| [Sn] nominal sensing distance | 0...12 M by cabling 0...4 m by cabling |
| [Hp] Height protected | 24.02 in (610 mm) |
| Number of beams | 31 |
| Type of start / restart | Automatic Manual |
| External Device Monitoring (EDM) | Selected by wiring |

Complementary

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|--------------------------------|--|
| Detection system | Transmitter-receiver system |
| Kit composition | Adjustable mounting bracket(s) 1 receiver(s) 1 transmitter(s) 1 user guide with certificate of conformity on CD-ROM |
| [EAA] effective aperture angle | 2.5 ° at 3 m |
| Emission | IR LED 950 nm |
| [Us] rated supply voltage | 24 V DC +/- 20 % |
| Supply | Power supply conforming to IEC 61496-1 Power supply conforming to IEC 60204-1 |
| [Ie] rated operational current | 2 A |
| Current consumption | 42 mA no-load transmitter 83 mA no-load receiver 42 mA transmitter 900 mA with maximum load receiver |
| Output current limits | 0.4 A for safety outputs OSSD |
| Output voltage | 24 V |
| Output circuit type | DC |
| Maximum voltage drop | <0.5 V |
| Local signalling | 1 multi-colour LED transmitter 2 dual colour LEDs receiver |
| Electrical connection | 1 male connector M12 5 pins transmitter 1 male connector M12 8 pins receiver |
| Function available | Test Muting through external safety module XPSLCMUT1160 LED display of operating modes and faults |
| Marking | CE |
| Material | Aluminium casing Polycarbonate: front panel Polypropylene: end caps |
| Housing colour | Red RAL 3000 |
| Fixing mode | By fixing brackets |
| Net Weight | 2.69 lb(US) (1.22 kg) |

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| Offer type | Standard distance |
| Topology | Daisy chain slave1 |

Environment

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|---------------------------------------|--|
| Directives | 2002/96/EC - WEEE directive 89/336/EEC - electromagnetic compatibility 2002/95/EC - RoHS directive 98/37/EEC - machinery 89/655/EEC - work equipment |
| Product certifications | CULus CE TÜV |
| Safety level (correctly wired) | Type 4 conforming to IEC 61496-1 SIL 3 conforming to IEC 61508 SILCL 3 conforming to IEC 62061 Category 4 conforming to EN/ISO 13849-1 PL = e conforming to EN/ISO 13849-1 |
| Optical characteristic | Resistance to light disturbance conforming to EN/IEC 61496-2 |
| Mission time | 20 year(s) |
| Safety reliability data | PFHd = 1.06E-8 1/h IEC 61508 |
| Ambient air temperature for operation | 14...131 °F (-10...55 °C) -22...131 °F (-30...55 °C) |
| Ambient air temperature for storage | -13...158 °F (-25...70 °C) -31...158 °F (-35...70 °C) |
| Relative humidity | 0...95 % without condensation |
| IP degree of protection | IP65 IP67 |
| Shock resistance | 10 gn 16 ms IEC 61496-1 |
| Vibration resistance | 0.35 +/- 0.05 mm 10...55 Hz)IEC 61496-1 |



Ordering and shipping details

| | |
|-----------------------|-------------------------------|
| Category | 22455 - LIGHT CURTAINS - XUSL |
| Discount Schedule | DS2 |
| GTIN | 03389119620086 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 1 lb(US) (0.45 kg) |
| Returnability | No |
| Country of origin | IT |

Packing Units

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|------------------------|-------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 5.31 in (13.5 cm) |
| Package 1 width | 7.68 in (19.5 cm) |
| Package 1 Length | 27.56 in (70 cm) |

Offer Sustainability

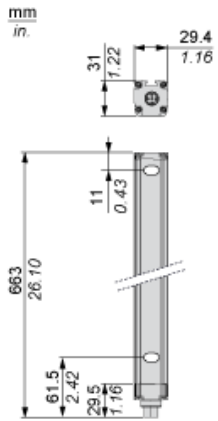
| | |
|----------------------------|---|
| Sustainable offer status | Green Premium product |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| RoHS exemption information |  Yes |

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| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |

Contractual warranty

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| Warranty | 18 months |
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Dimensions



Brackets Dimensions



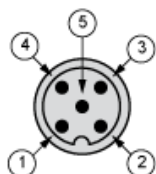
Mounting and Clearance



- (1) Insert
- (2) Bracket
- (3) Washer
- (4) Spring washer
- (5) Nut

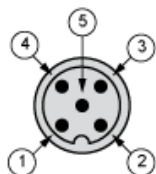
Wiring Diagrams

Transmitter Connections



- (1) +24 Vdc
- (2) Master/Slave_A
- (3) 0 Vdc
- (4) Master/Slave_B
- (5) FE

Receiver Connections



- (1) +24 Vdc
- (2) Master/Slave_A
- (3) 0 Vdc
- (4) Master/Slave_B
- (5) FE